Amendment to the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

(Currently Amended) A method of forming a contact to an underlayer or region of a device comprising the steps of:

forming a contact hole through a portion of the device including through a first barrier layer, the contact hole having sides which extend above and below the first barrier layer and having a bottom surface;

forming a contact hole barrier layer of a barrier material in the contact hole, the contact hole barrier layer being continuous between the sides and bottom surface of the contact hole;

etching the contact hole barrier layer on the bottom surface of the contact holer:

depositing a liner material in the contact hole to form a contact liner to promote subsequent filling of the contact hole; and

filling the contact hole with a conductive material.

(Currently Amended) A method according to claim 1 in 2: which the contact hole is formed extending through a portion of the device including a first barrier layer, the method including

further comprising a wet etching the contact hole step, prior to forming the contact hole barrier layer, the contact hole barrier layer being formed after the wet-ctching step and filling voids in the first barrier layer caused by the wet etching step.

- (Original) A method according to claim 1 including a 3. wet etching step, the contact hole barrier layer being formed before the wet etching step.
- (Currently Amended) A method according to claim $\frac{2}{3}$ in 4. which, following the wet etching step, the contact hole barrier layer is thickened by application of a second contact hole barrier layer.
- (Currently Amended) A method according to claim 1, in 5. which the barrier material of the contact hole barrier layer is Al203 or TiO2.
- (Currently Amended) A method according to claim 1, in which the barrier material of the contact hole barrier layer is deposited using an atomic layer deposition (ALD) method.

- (Original) A method according to claim 1, in which the 7. device is a semiconductor device.
- (Original) A method according to claim 1, in which the device is a passive device.
- (Original) A method according to claim 1, in which the 9. device is a capacitor.
- (Original) A method according to claim 9, in which the 10. device is an FeRAM.
- 11. (New) A method of forming a contact to an underlayer or region of a device comprising:

forming a contact hole through a portion of the device including through a first barrier layer, the contact hole having sides which extend above and below the first barrier layer and having a bottom surface;

wet etching the contact hole;

forming a contact hole barrier layer of a barrier material in the contact hole, after wet etching the contact hole, thereby filling voids in the first barrier layer caused by the wet etching;

etching the contact hole barrier layer on the bottom surface of the contact hole;

depositing a liner material in the contact hole to form a contact liner to promote subsequent filling of the contact hole; and

filling the contact hole with a conductive material.

(New) A method of forming a contact to an underlayer 12. or region of a device comprising:

forming a contact hole;

forming a contact hole barrier layer of a barrier material in the contact hole;

wet etching the contact hole after forming the contact hole barrier layer;

thickening the contact hole barrier layer by application of. a second contact hole barrier layer;

etching the contact hole barrier layer on the bottom surface of the contact hole;

depositing a liner material in the contact hole to form a contact liner to promote subsequent filling of the contact hole; and

filling the contact hole with a conductive material.